

# RC17 4K Ultra HD Auto Focus Camera



Customized 4K UHD lens, viewing angle reaches 84 °/120 °, small lens with large field of view, support EPTZ, panoramic view. Built-in microphone array, omnidirectional pickup, pickup distance up to 6 meters, with unique noise suppression algorithm. Auto framing function brings high quality image. It is widely used in speaker speeches, video conferences, personnel training courses and other application scenarios.

# Main Features

## 4k UHD

Support ultra-high resolution 4k@30fps/25fps encoding output, downward compatible with 1080p, 720p.



## Built-in microphone

Built-in microphone array, omnidirectional pickup, pickup distance up to 6 meters, unique noise suppression algorithm with excellent sound.



## AF Lens

Customized autofocus distortion-free lens, viewing angle up to 84°, 120° lens without autofocus function, small lens with large field of view, support EPTZ.



## Auto framing

Advanced algorithm is adopted to automatically adjust the viewing angle of the picture according to the person within the detection field of view, avoiding manual adjustment of the camera, bringing you a new intelligent experience.



## Speaker Tracking

The built-in intelligent analysis algorithm supports audible position identification and intelligent linkage EPTZ function, the speaker can be automatically tracked, and it intelligently switches the speaker screen to ensure that the speaker is always clear in the screen.



## AI Tracking

Use the deep learning technology to extract the target's characteristics and allow smooth face tracking no matter where the face is facing. It is suitable for application scenarios such as presenter automatic tracking and can flexibly select tracking targets.

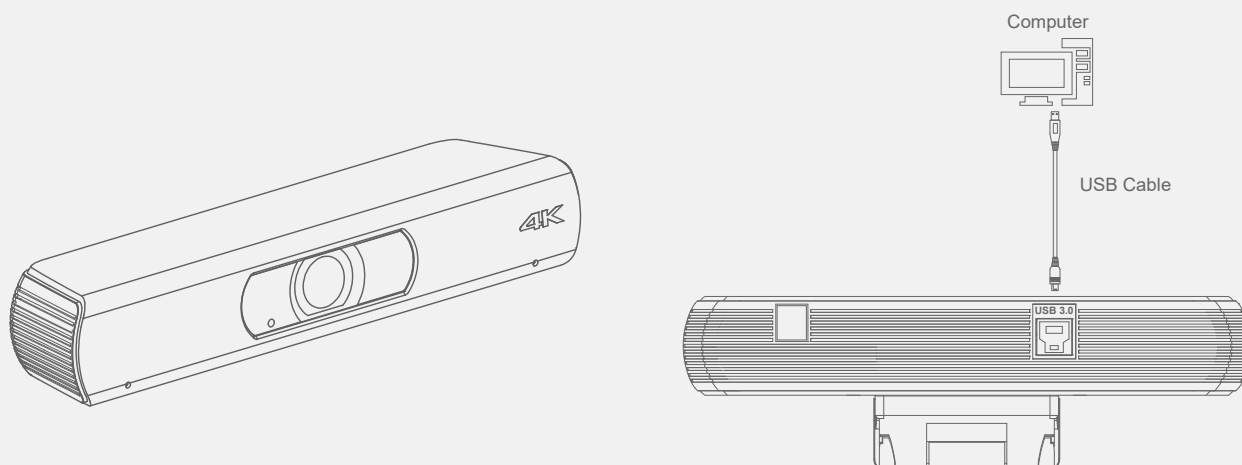


## Low Illumination

New CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. Meanwhile, the application of 2D and 3D noise reduction algorithms dramatically reduces image noise. The image maintains clean and clear even under ultra-low light illumination. The SNR of the image is as high as 55dB or above.



# Product Interface



## Remote Control

### 1.(Standby) Key

Press to enter standby mode. Press again to resume to normal mode.

Note: The power consumption in standby mode is approximately half of that in normal mode.

### 2.Numeric Key

To set preset or call preset.

### 3.\* Key

Use with other keys.

### 4.PRESET Key

Set preset: Store a preset position.

[PRESET] + Numeric key (0-9): Set the preset position.

### 5.HOME Key

Confirm selection or press to turn the lens back to the middle position.

### 6.(Return) Key

Press to return to the previous menu.

### 7.ZOOM Key

SLOW: Zoom In [+] or Zoom Out [-] slowly.

FAST: Zoom In [+] or Zoom Out [-] fast.

### 8.L/R SET Key

Press with 1 or 2 key to set the direction of the Pan-Tilt. Press L/R Set + 1 [STD]: Set the Pan-Tilt turn the same direction as the PTZ control key.

Press L/R Set + 2 [REV]: Set the Pan-Tilt turn the opposite direction as the PTZ control key.

### 9.FOCUS Key

Focus adjustment:

Press [AUTO] to adjust the focus automatically.

Press [MANUAL] to adjust the focus manually.

When in manual focus mode, press [FAR] to focus on far object or [NEAR] to focus on near object.

### 10.CAMERA SELECT Key

Camera selection:

Press to select and control the camera.

### 11.# Key

Use with other buttons.

### 12.IR Remote Control Key

[\*]+[ # ]+[F1]: Address 1

[\*]+[ # ]+[F2]: Address 2

[\*]+[ # ]+[F3]: Address 3

[\*]+[ # ]+[F4]: Address 4

### 13.RESET Key

Clear the preset position:

[RESET] + Numeric key (0-9).

### 14.PTZ Control Key

After zooming, press arrow button to perform panning and tilting.

Press [HOME] button to face the camera back to front.

### 15.MENU Key

Enter or exit OSD MENU.

### 16.BACKLIGHT Key

Backlight ON/OFF: Press repeatedly to

enable or disable the backlight compensation.

NOTE:

Effective only in exposure full auto mode.

If there is a light behind, the subject will

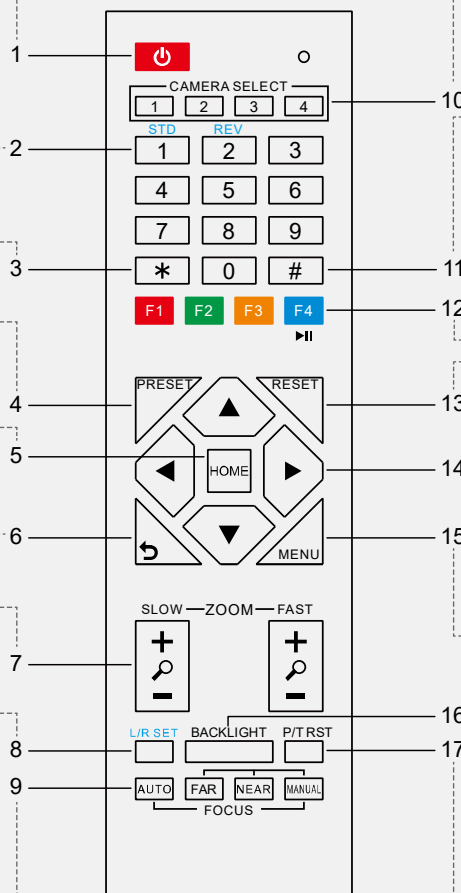
become dark, press the backlight key to

enable the backlight compensation. Press

again to disable this function.

### 17.P/T RST (PTZ Reset) Key

Function only applicable to the PTZ camera.



# Product Specifications

## Camera

Video System	4K@30fps/25fps, 1080P@30/25fps, 720P@30/20fps
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12
Lens 2(Default)	Focus: f=3.5mm, FOV: 84°
Lens 1	Focus: f=2.8mm, FOV: 120°
Autofocus	Support (84°)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	bracket with damper
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support

## USB Features

OS	Windows® 7 (1080P and under only), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 port (USB 3.0 required for 4K)
Color System / Compression	H.264 / MJPEG / YUY2
Resolution	4K, 1080P, 720P, 960x540P, 640x360P, 320x240P
Frame rate	30fps, 25fps
USB video communication protocol	UVC v1.1
UVC PTZ control	Support (EPTZ)

## Input/Output Interface

USB Interface	1xUSB 3.0: Type B, female
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## General specification

Input Voltage	5V (USB power supply)
Current Consumption	600mA
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	3W
MTBF	30000h
Size	194mm x 34mm x 42mm (without bracket)
Net Weight	0.5Kg



# ROCWARE

**ROCWARE CORPORATION**

**Web :** [www.rocware.com](http://www.rocware.com)

**TEL :** +86-755-23309418

**Address :** 3F,No.2 Building, Honghui Industrial Park,  
Baoan'District, Shenzhen, China

**Mail :** [rocware@rocware.com](mailto:rocware@rocware.com)

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